Numbers and Operations
Lesson 7: Estimation
Math for Standards

Name _____

Date _____

Key Concepts:
When rounding to estimate products, round each factor to the

_____.

Use _____ for estimating quotients.

Compatible numbers are numbers that can be _____ easily.

For estimating fractions, determine if the number is closer to _____, _____, or

_____.

If you are multiplying two fractions that are less than one, the product will be

_____ than both fractions.

Example 1: Which of the following is the best estimate for the product 397 • 42?
A. 15,000
B. 16,000
C. 17,000
D. 18,000

Example 2: Matt Mitarnowski is saving to buy a Plasma TV that costs $3,896. He has $1307 already saved. If he puts away $190 at the end of each month, about how much will he have after one year? When will he have enough for the TV?

Example 3: About how much will you pay for 18 pounds of sliced cheese at $4.96 per pound?

Example 4: Estimate the quotient 82,324 ÷ 942.

Example 5: Which set of fractions is in the correct order from least to greatest?

A. $\frac{3}{5}, \frac{1}{7}, \frac{5}{6}$

B. $\frac{8}{9}, \frac{4}{7}, \frac{1}{6}$

C. $\frac{2}{11}, \frac{8}{15}, \frac{9}{11}$

D. $\frac{4}{9}, \frac{9}{10}, \frac{3}{13}$

Example 6: Fuzzy Jeff estimates that it takes him 1/3 an hour to mow the lawn, 50 minutes to clean the gutters, and 10 minutes to hose down the driveway. If he is correct, could he complete all the work in an hour and a half?